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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/823,938	03/30/2001	Robert Martin	0102374-00017	7589

7590 12/19/2005

David J. Powsner
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One International Place
Boston, MA 02110-2699



EXAMINER
KNOWLIN, THJUAN P

ART UNIT	PAPER NUMBER
2642	

DATE MAILED: 12/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Supplemental Notice of Allowability	Application No.	Applicant(s)	
	09/823,938	MARTIN ET AL.	
	Examiner	Art Unit	
	Thjuan P. Knowlin	2642	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to IDS filed 11/07/05.
2. The allowed claim(s) is/are 1, 2, 4-7, 9-11, 13, and 16-22 (renumbered as 1-17, respectively).
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

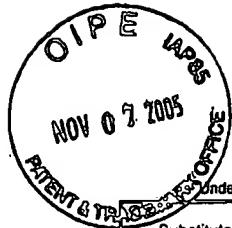
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 11/07/05
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

Examiner: Thjuan P. Knowlin
Phone: (571) 272-7486



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	09/823,938-Conf. #7589
				Filing Date	March 30, 2001
				First Named Inventor	Robert Martin
				Art Unit	2642
				Examiner Name	T. P. Knowlin
Sheet	1	of	6	Attorney Docket Number	102374-0017

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA*	US-4,656,624	04-07-1987	Collins et al.		
AB*	US-4,757,497	07-12-1988	Beierle et al.		
AC*	US-4,771,425	09-13-1988	Baran et al.		
AD*	US-4,872,158	10-03-1989	Richards		
AE*	US-4,872,159	10-03-1989	Hemmady et al.		
AF*	US-4,872,160	10-03-1989	Hemmady et al.		
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AH*	US-4,899,333	02-06-1990	Roediger		
AI*	US-4,922,486	05-01-1990	Lidinsky et al.		
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AM*	US-5,282,244	01-25-1994	Fuller et al.		
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AS*	US-5,463,629	10-31-1995	Ko		
AT*	US-5,535,204	07-09-1996	Li		
AU*	US-5,550,906	08-27-1996	Chau et al.		
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AW*	US-5,568,475	10-22-1996	Doshi et al.		
AX*	US-5,581,596	12-03-1996	Hogan		
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AZ*	US-5,617,423	04-01-1997	Li et al.		
AA1*	US-5,619,508	04-08-1997	Davis et al.		
AB1*	US-5,636,218	06-03-1997	Ishikawa et al.		
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AE1*	US-5,726,984	03-10-1998			
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AN1*	US-5,841,841	11-24-1998	Dodds et al.		
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AR1*	US-5,987,102	11-16-1999	Elliott et al.		
AS1*	US-5,862,134	01-19-1999	Deng		

Examiner Signature		Date Considered	12-15-05
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
Substitute for form 1449A/B/PTO	Application Number	09/823,938-Conf. #7589			
	Filing Date	March 30, 2001			
	First Named Inventor	Robert Martin			
	Art Unit	2642			
	Examiner Name	T. P. Knowlin			
Sheet	2	of	6	Attorney Docket Number	102374-0017

AT1*	US-5,881,060	03-09-1999	Morrow et al.	
AU1*	US-5,999,525	12-07-1999		
CA1*	US-5,999,965	12-07-1999	Kelly	
CA2*	US-6,009,469	12-28-1999	Mattaway et al.	
CA3*	US-6,021,158	02-01-2000	Schurr et al.	
CA4*	US-6,026,087	02-15-2000	Mirashrafi et al.	
CA5*	US-6,029,203	02-22-2000	Bhatia et al.	
CA6*	US-6,034,953	03-07-2000	Smith, Jr.	
CA7*	US-6,061,392	05-09-2000	Bremer et al.	
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CA9*	US-6,075,784	06-13-2000	Frankel et al.	
CA10*	US-6,081,591	06-27-2000		
CA11*	US-6,108,704	08-22-2000	Hutton et al.	
CA12*	US-6,188,760	02-13-2001	Oran et al.	
CA13*	US-6,229,803	05-08-2001	Bog et al.	
CA14*	US-6,407,997	06-18-2002	DeNap et al.	
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CA18*	US-5,970,066	10-19-1999	Lowry et al.	
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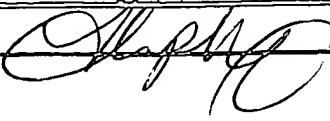
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ -Kind Code ⁵ (if known)		
			MM-DD-YYYY		T ⁶
CA1*	BA	-EP	000789470 A2	08-13-1997	Hortensius et al.
CA2*	BB	-JP	402065498 A	03-06-1990	Mori et al.
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CA4*	BD	-JP	406105384 A	04-15-1994	Yamato et al.
CA5*	BE	-JP	406338887 A	12-06-1994	Otsu
CA6*	BF	-JP	407307789 A	11-21-1995	Koyama
CA7*	BG	-JP	408111692 A	04-30-1996	Fujino et al.
CA8*	BH	-JP	408274812 A	10-18-1996	Fujii et al.
CA9*	BI	-JP	409214484 A	08-15-1997	Usuha et al.
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CA11*	BK	-JP	410051453 A	02-20-1998	Osaka et al.
CA12*	BL	-JP	410126819 A	05-15-1998	Polley et al.
CA13*	BM	-WO	97/27692	07-31-1997	Blair et al.
CA14*	BN	-WO	98/20701	05-14-1998	Bernstein
CA15*	BO	-WO	97/23078	06-26-1997	Huang, Lisheng
CA16*	BP	-WO	98/118235	04-30-1998	Cateriano, Terry A.
CA17*	BQ	-WO	99/34612	07-08-1999	Gunasekar, Duraisamy et al.

Examiner Signature		Date Considered	12-15-05
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				Examiner Name	T. P. Knowlin
Sheet	3	of	6	Attorney Docket Number	102374-0017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
CA	Yang et al., "A Taxonomy for Congestion Control Algorithms in Packet Switching Networks," <i>IEEE Network Magazine</i> , Vol. 9, pp. 1-17 (1995).				
CB	<i>IBM Nways ATM Solutions Fact Sheet</i> , "Award-winning, industry-leading, low-cost, end-to-end ATM solutions," pp. 1-15 (March 11, 1997).				
CC	<i>Homeworx Dual Tech System for Circuit-Switched and IP Telephony</i> , ADC Telecommunications, Inc., 6 pp. (1998)				
CD	ADC Telecommunications, Inc., "High-Performance Homeworx™ 1550nm Optical Headend Platform Increases Capabilities for Distribution and Supertrunking," 1 pg. (June 4, 1997).				
CE	"Dual Path Receiver Added to ADC's Line of Homeworx™ AM Transmission Products," printed from stele.adc.com, 1 pg. (9/13/2000).				
CF	"ADC Introduces HomeworxT Forward Path Receiver for Hub and Office Environments," Press Release printed from stele.adc.com, 1 pg. (09/13/00).				
CG	"ADC Provides Homeworx™ Telephony System to Nanjing CATV," printed from stele.adc.com, 1 pg. (09/13/00).				
CH	ADC Telecommunications-Annual Report, "To our Shareholders," printed from media.corporate-ir.net/media...adct/adct_980909_200_100/letter.htm, pp. 1-3 (09/13/00).				
CI	IAC (SM) Newsletter Database (TM), "Broadband: ADC Creates Broadband Communications Division," printed from Lexis-Nexis, pp. 3-5 (08/26/96).				
CJ	ADC Telecommunications, "Homeworx™ is HFCComplete: A Lifeline White Paper, 4 pp., printed from bbg.adc.com/Educator/HFC/stories/lifeline/index.html (09/13/00).				
CK	AG Communication Systems, "Infrastructure for DSL Solutions - AGCS," by Mark Emery, printed from agcs.com/techpapers/dsl_inf.htm, pp 1-6 (09/13/00).				
CL	Lucent Technologies Press Release, "Lucent Technologies and VINA Technologies to integrate voice and data onto single line, reducing network costs," 2 pp. (06/02/98).				
CM	Remote Terminal Server for Marathon Integration Products, 2 pp.				
CN	Enhancing LAN/WAN Networks, "Integrating Data Voice Fax Lan," by Kenneth R. Guy, Vice President, Marketing and Corporate Strategy, MICOM Communications Group, 20 pp.				
CO	Micom Netrunner 75E, Integration Router, 4 pp. (09/20/00).				
CP	ISDN Overview, Chap. 4, pg. 102 and Part II: Computer Telephony Services, pg. 248.				
CQ	122 Computer Telephony, Best of Show, "UNPBXs Becoming the Rage" (April 1997).				
CR	PC Magazine: Divide and Conquer, "Now your company can communicate like the big guys. A sub-T1 leased line-plus a low-end multiplexer-boasts connections," 1 pg., (02/06/96).				
CS	Telephony over IP Statement of Work, "ANA Project Completion Report on CA*Phone: Telephony over IP," printed from enfm..utcc.utoronto.ca/c2/voip/Final-Report.html, pp. 1-7 (09/02/00).				
CT	Network Media - IP/PSTN Gateway, printed from networkmedia.demon.co.uk/content/vienna.html, 5 pp. (09/02/00).				
CU	Yang, et al., "A Taxonomy for Congestion Control Algorithms in Packet Switching Networks," <i>IEEE Network Magazine</i> , Vol. 9, 16 pp., July/Aug. 1995.				
Examiner Signature				Date Considered	12-15-05

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				Examiner Name	T. P. Knowlin
Sheet	4	of	6	Attorney Docket Number	102374-0017

CV	Mishra, et al., "A Hop by Hop Rate-based Congestion Control Scheme," pp. 112-123 (1992).
CW	FOCUS - 88 of 89 Stories, Business Wire, Inc., 6 pp., March 5 1996, Wednesday.
CX	Joe Rinde, "Telephony in the Year 2003," MCI, Powerpoint presentation, 20 pp. (03/31/98).
CY	Steve Craddock, "Advancing IP Telephony with Residential Broadband," Spring '98 VON Conference, Powerpoint presentation, 17 pp. (04/01/98).
CZ	John Peters, "Voice on the Net, Commercialization of Internet Telephony," Powerpoint presentation, 20 pp.
CA1	26 of 150 Documents, PR Newswire Association, Inc., "ADC Receives Contract to Develop Cable Telephony Network for Scandinavian Service Provider Netcom," 2 pp. (10/20/97).
CB1	Kenneth Guy, Business Landscape, "Save as you speak," <i>The Daily Yomiuri</i> , 5 pp. (02/19/97).
CC1	David D. Bezar, "LAN times Guide to Telephony," 3 pp.
CD1	Cisco Introduces First Internetworking Routers with Built-In DSR/CSU Telecommunications Functionality, printed from ieng.com/warp/public/146/pressroom/1996/Mar96, 2 pp. (09/06/00).
CE1	Chris Fair, et al., "Strategic Report Regarding The Deployment of ATM Within NCAR/UCAR," National Center for Atmospheric Research, 25 pp. (09/03/02).
CF1	"Fast & Furious," MICOM Communications Corp., 1 pg. (05/15/97).
CG1	Computer Telephony, Vol. 4, Issue 12, 3 pp. (September 1996).
CH1	Computer Telephony, Vol. 5, Issue 4, 3 pp. (April 1997).
CI1	Micom sends Voice over IP net., Business Communications Review, Vol. 26, pp. 22-23 (12/1/96).
CJ1	David P. Koester, "Fiber Distributed Digital Interface (FDDI)," 1 pg. (10/22/95).
CK1	Final Network Status Report, LEARN-ED Deliverable 12, 22 pp. (03/10/97).
CL1	MICOM showcases new V/IP phone/fax IP gateway at Internet World, 2 pp. (12/11/96).
CM1	Micom Surpasses 1,200 Voice/IP Gateway - Vol. 9, pp. 6-7 (April 1997)
CN1	Micom V/IP gateway saves TexasBank 42,200 per month; Article May 6, 1997
CO1	Metropolitan-area Networks, IEEE Spectrum, pp. 40-42 (May 1990)
CP1	NetSpeak Corporation to Exhibit First Release of Voice over IP, IP-to-PSTN Networking Products, NetSpeak Corporation Press Release, 3 pp. (September 25, 2000)
CQ1	Voice-over-DSL patent battle looming?, Network World Fusion, 3 pp. (September 3, 2000)
CR1	Asymmetric Digital Subscriber Line, Alcatel 1000 ADSL, 1 pg. (September 13, 2000)
CS1	Table of Contents, Cisco Systems Users Magazine, pp 1-37 (September 10, 2000)
CT1	Profiling the Current Market, Telecommunicatons Americas Edition, Vol. 32, 5 pp. (October 1998)
CU1	Jeffre R. Shapiro, Computer Telephone Strategies, Chapter 12: CT and the Cyberspace Phenominon, 8 pp.
CV1	William Stallings, Ph.D., Data and Computer Communications, Chapter 14, Internetworking, 33 pp.
CW1	Storage Admin (Windows & .NET Magazine Network), NY News Network, 9 pp. (September 3, 2002)
CX1	Telephony and data networks, Internet for Business (4 pp.) March 1, 1997
CY1	VINA Technologies, M2 Presswire, 4 pp. (July 15, 1998)
CZ1	Complete Voice and Fax Integration Over IP Networks, VIP Phone/Fax IP Gateway, 8 pp.
CA2	Dialog printout, No. 131, 29/9/131 (Item 114 from file 275), pp 56-58 (August 1, 2000)
CB2	Zooming toward 2000, Special Report: China; ISSN: 1067-6317, 5 pp. (November 1996)
CC2	Lexis-Nexis printout: Workgroup router: NetRunner Integration Router; Micom; 1996 Products of the Year; Product InformationBrief Article, Vol. 11, 28 pp. (September 20, 2000)
CD2	T. Kent Elliott, powerpoint presentation: The Effect of Internet Telephony on Business, 39 pp.
CE2	Applications Guide, Complete Voice and Fax Integration Over IP Networks, V/IP Phone/Fax IP Gateway, 15 pp. (September 10, 2000).

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				Attorney Docket Number	102374-0017

CF2	Corporate Fact Sheet, CopperCom - Company Info, 3 pp. (September 2, 2000)
CG2	Description of CopperCom, Inc., Chapter 1, Introduction, through Chapter 9, Financial Projections, 37 pp.
CH2	CopperCom, Creating Voice Services Over Broadband, 19 pp. (September 2, 2000)
CI2	CopperCom's Integrated Access System for Residences, Small Office Home Offices, and Small Businesses, Requirements Document, Version 1.0, 33 pp. (October 27, 1997)
CJ2	Powerpoint Presentation to MCI, Reducing the Cost of Network Access, 28 pp. (December 9, 1997)
CK2	Lexis-Nexis printout: T1: CLECS and Service Providers Line Up Behind VINA Technologies' T1 Integrator, 3 pp. (May 11, 1998)
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CM2	Lexis-Nexis printout: More on Vina's T1 Integrator For Voice, Data, 2 pp. (June 3, 1997)
CN2	Reference: Rulemaking 8775 - ACTA Petition on Internet Telephony - ACTA Petition on Internet Telephony before the Federal Communications Commission, 15pp. (October 11, 2005)
CO2	Sears, Andrew Lester, "Directory Services for Internet Telephony: Creating a Spanning Layer Over the Internet and Telephone Networks", Massachusetts Institute of Technology, 39pps. (8/8/2000)
CP2	Short, Kristin Illene, "Towards Integrated Intranet Services: Modeling the Costs of Corporate IP Telephony", Massachusetts Institute of Technology, 80pp. (September 1997)
CQ2	Bandwidth Management Technologies, An introduction to Micom's Frame Relay, Cell Relay and Fast Packet Technologies, Part 1: MicroBand ATM Cell Relay, 31 pp.
CR2	Micom: Marathon Data/Voice WAN Solutions, Applications Guide, 56pp. (1997)
CS2	Micom, Cell Relay for SUB T1/E1 Networks, Overview: Data, Voice, Fax and LAN Integration, 19pp. (1995)
CT2	Micom, Integrated Networking: Voice and Fax Share LAN/WAN Connections, 16pp. (1995)
CU2	Micom Press, Welcome to Micom's Press Release Page, 4pp.
CV2	Nortel Networks, Media Center: News and Events, 2pp.
CW2	Nortel Networks, Products Documentation Webpage, 2pp.
CX2	Thompson, George A., Micom Communications Corp, Corporate Profile, Digital Age, v16, n6, p7(1), 3pp. (June 1997)
CY2	Nortel Networks, Products V/IP webpage, 2pp.
CZ2	Micom, V/IP Phone/Fax IP Gateway, Voice Interface Cards and PC Software, 6pp.
CA3	Micom News Release, Voice/IP Gateway to Interoperate with Microsoft NetMeeting 2.0 for OffNet Calling, 2pp. (April, 28, 1997)
CB3	V/IP: Phone/Fax IP Gateway, Putting It All Together, http://www3.nortelnetworks.com/product/vip/together.html , 6pp. (9/18/2000)
CC3	V/IP: Phone/Fax IP Gateway, How V/IP Works, http://www3.nortelnetworks.com/product/vip/how.html , 4pp. (9/18/2000)
CD3	V/IP: Phone/Fax IP Gateway, Applications Guide: Complete Voice and Fax Integration Over IP Networks, http://www3.nortelnetworks.com/product/vip/cov.html , 2pp. (9/18/2000)
CE3	V/IP: Phone/Fax IP Gateway, V/IP Applications, http://www3.nortelnetworks.com/product/vip/applicaiton.html , 3pp. (9/18/2000)
CF3	V/IP: Phone/Fax IP Gateway, The Micom V/IP Phone/Fax IP Gateway, http://www3.nortelnetworks.com/product/vip/together.html , 4pp. (9/18/2000)
CG3	V/IP Phone/Fax IP Gateway, Analog Models NetWare and DOS User's Manual, 232pp. (September 1997)
CH3	Table of Contents, Cisco Systems Users Magazine, 36pp. (1997)
CI3	Paradyne Press Release, Paradyne and e-Net Join Forces to Deliver Low-Cost, high-Speed

Examiner Signature		Date Considered	12-15-05
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				Art Unit	2642
				Examiner Name	T. P. Knowlin
Sheet	6	of	6	Attorney Docket Number	102374-0017

CJ3	Hig-Fidelity DSL-Supercharged Data Telephony, 4pp. (June 9, 1997))
CK3	PowerVoice Illustration, 1p, April 1997.
CL3	Voice Across the Internet, PC Magazine Online, 2pp. (10/21/1997)
CM3	Micom, V/IP Voice Gateway, PC Magazine Online, 3pp. (10/21/1997)
CN3	RHCs Handle IP the Vienna Way, internetTelephony News Of The Week, 2pp. (September 3, 1996)
CO3	Search results for articles about Alcatel and Pots Splitter, 26pp. (1998)
CP3	Search results for articles about Homeworx access platform and ADC, 10pp. (1995-1996)
CQ3	Search results for articles about Homeworx and Voice and ADC, 25pp. (1996, 1997)
CR3	Search results for articles about Vina /100 bundle, 52pp. (1997, 1998)
CS3	Search results for articles about Vienna Systems and Voice, Video or LAN, 18pp. (1996, 1997)
CT3	Search results for articles about Vienna Systems and voice, or data or integrat, 36pp. (1997, 1998)
CU3	Inter-Tel Illustration from April 1997, 1p.
CV3	Computer Telephony, Vol. 4, Issue 9, 5 pp. (December 1996).

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	12-15-05
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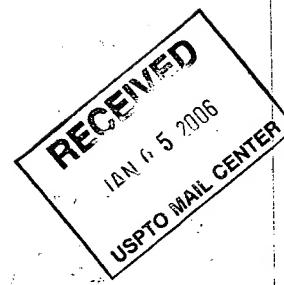
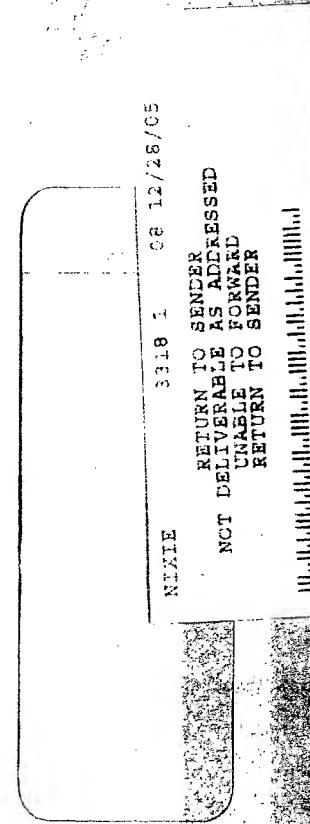
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